



ACY-32421-C2

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Mark Pausch, Laura Price
Application No. : 08/816,011 Examiner: Pak, M.
Filing Date : March 11, 1997 Art Group: 1646
For : POTASSIUM CHANNELS, NUCLEOTIDE SEQUENCES
ENCODING THEM, AND METHODS OF USING SAME

October 15, 1999

Hon. Commissioner of Patents
and Trademarks
Washington, D.C. 20231

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RESPONSE TO OFFICE ACTION

In response to the Office Action mailed on August 18, 1999, Applicants provide the following remarks.

Failure to Comply with the Sequence Rules

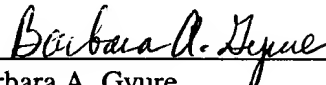
The Office Action states that the application is not fully in compliance with the sequence rules, because the sequences in claims 4 and 7-13 and Figure 10 lack appropriate sequence identifiers. However, 37 C.F.R. 1.821 (a) states that "Sequences with fewer than four specifically defined nucleotides or amino acids are specifically excluded from this section. 'Specifically defined' means those amino acids other than 'Xaa'" Applicants note that the sequences cited by the Examiner contain fewer than four specifically defined amino acids (see, e.g., "ZXXZ₁Z₂Z₄GXG" in claim 4, which contains only two specifically defined amino acids, namely two glycine residues), and thus are specifically excluded from the sequence rules.

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CONCLUSION

In view of the foregoing election, early examination and allowance of the present application are respectfully solicited.

Respectfully submitted,



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Attorney Docket No.: ACY-32421-C2 (GI 5361)

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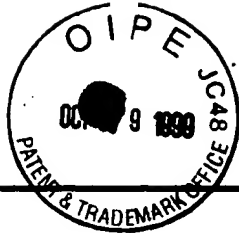
Alison M. Higginbottom
Alison M. Higginbottom

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

Submitted herewith are:

1. Response to Office Action (2 pages)
2. Extension of Time and duplicate (1 page each)
3. Transmittal Form and duplicate (1 page each)
4. Return receipt postcard



TRANSMITTAL FORM

Application Serial Number	08/816,011
Filing Date	March 11, 1997
First Named Inventor	Pausch
Group Art Number	1646
Examiner Name	Pak, M.
Attorney Docket No.	ACY-32421-C2 (GI 5361)

ENCLOSURE (check all that apply)

<input type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Response to Missing Parts / Incomplete Application	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input type="checkbox"/> Check Attached	<input type="checkbox"/> Copy of Notice of File Missing Parts of Application (PTO-1553)	<input type="checkbox"/> Appeal Communication to Group (<i>Appeal Notice, Brief, Reply Brief</i>)
<input type="checkbox"/> Copy of Fee Transmittal Form	<input type="checkbox"/> Formal Drawing(s)	<input type="checkbox"/> Status Letter
<input checked="" type="checkbox"/> Amendment/Response	<input type="checkbox"/> Petition Routing Slip (PTO/SB/60) and Accompanying Petition	<input checked="" type="checkbox"/> Return Receipt Postcard
<input type="checkbox"/> After Final	<input type="checkbox"/> To Convert to a Provisional Application	<input checked="" type="checkbox"/> Certificate of First Class Mailing under 37 C.F.R. 1.8
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<input type="checkbox"/> Letter to Official Draftsperson including Drawings [Total Sheets <u> </u>]	<input type="checkbox"/> Terminal Disclaimer	
<input checked="" type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Executed Declaration and Power of Attorney for Utility or Design Patent Application	
<input type="checkbox"/> Information Disclosure Statement	<input type="checkbox"/> Small Entity Statement	
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SIGNATURE BLOCK

Respectfully submitted,

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